

Electronic Filing System (EFS) Data
Electronic Patent Application Submission
USPTO Use Only

EFS ID: 19146
Application ID: 10065494
Title of Invention: Improving Throughput in Multi-Rate Wireless Networks Using Variable-Length Packets and Other Techniques
First Named Inventor: Gary Sugar
Domestic/Foreign Application: Domestic Application
Filing Date: null
Effective Receipt Date: 2002-10-24
Submission Type: Utility Patent Filing
Filing Type: new-utility
Confirmation Number: 0
Attorney Docket Number: Cognio8US
Digital Certificate Holder: cn=D. Andrew Floam, ou=Registered Attorneys, ou=Patent and Trademark Office, ou=Department of Commerce, o=U.S. Government, c=US
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TRANSMITTAL FORM

Electronic Version 1.0.3

Stylesheet Version: 1.0

Submission Type: Utility Patent
Filing

Attorney Docket
Number:



Cognio8US

Improving Throughput in Multi-Rate Wireless Networks Using Variable- Length Packets and Other Techniques

First Named Inventor: Mr. Gary L. Sugar

SUBMITTED BY

Name:	Mr. Andrew Floam
Registration Number:	34597
Electronic Signature Mark: /daf/	Date Signed: 20021024

I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.

I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Attached Files:

declaration	Declarationpage1.tif
declaration	Declarationpage2.tif
bibd-transmittal	Cognio8USapds.xml

patent-assignments
fee-transmittal
specification

Cognio8USasgn.xml
Cognio8USfee.xml
Cognio8US.xml

Attached Image File(s):

Declarationpage1.tif

Declarationpage2.tif

[illegible]

Comments:

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

“IMPROVING THROUGHPUT IN MULTI-RATE WIRELESS NETWORKS USING VARIABLE-LENGTH PACKETS AND OTHER TECHNIQUES”

Docket No., Cognio8US the specification of which

(check
one) X is attached hereto
was filed on _____, as
Application Serial No. _____
and was amended on _____
(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent Office all information which is known to me to be material to the patentability of this application in accordance with Title 37, Code of Federal Regulations. 1.56¹

I do not know and do not believe this invention was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, and I believe that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months prior to this application, and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns, except as identified below:

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below:

Prior Provisional Application(s)

Number

Country

Date

and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the above listed application on which priority is claimed:

¹ (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

(1) It establishes, by itself or in combination with other information, a *prima facie* case of unpatentability of a claim; or

(2) It refutes, or is inconsistent with, a position the application takes in:

(i) opposing an argument of unpatentability relied on by the Office, or

(ii) asserting an argument of patentability.

A *prima facie* case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden of proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to

Prior Foreign Application(s)
Number

Country

Date

If no priority is claimed, I have identified all foreign patent applications filed prior to this application:

Prior Foreign Application(s)
Number

Country

Date

I hereby appoint the following attorney, D. Andrew Floam (Reg. No. 34,597) with full power of substitution and revocation, to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith and request that all correspondence and telephone calls in respect to this application be directed to

D. Andrew Floam
Cognio, Inc.
101 Orchard Ridge Drive, Suite 350
Gaithersburg, Maryland 20878

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Gary L. Sugar

Inventor's signature [Signature]

Date

10/24/02

Residence

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Full name of second inventor William R. Seed

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10/23/02

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Full name of third inventor Anthony T. Collins

Inventor's signature [Signature]

Date

10/22/02

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Gaithersburg, Maryland 20878

Full name of fourth inventor _____

Inventor's signature _____

Date

Residence

Citizenship

Post Office Address

FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

Patent fees are subject to annual revisions on or about October 1st of each year.

Small Entity

Small Business Concern

TOTAL FEES AUTHORIZED: \$ 629

BANK (CREDIT) CARD INFORMATION:

Credit Card Number: 2762
Expiration Date: 20050401
Authorized Name: Andrew Floam
Billing Address: 20878

BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	2001	\$ 370

Subtotal For Basic Filing Fee: \$ 370

EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 35	2202	\$ 9	15	\$ 135
Independent Claims: 5	2201	\$ 42	2	\$ 84

Subtotal For Extra Claims Fees: \$ 219

ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	8021	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 40